

Release notes for ENDF/B Development n-059_Pr_143
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5931, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5931, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 238 TO 291
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5931, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5931, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 238
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5931, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 293
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 623
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 650
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 676
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 694
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 705

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 712

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 728

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 740

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 33
SECTION 3/ 33 NOT IN DIRECTORY RECORD NUMBER 749

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 758

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 776

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 791

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 54 | RECORD NUMBER | 806 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 55 | RECORD NUMBER | 820 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 56 | RECORD NUMBER | 834 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 57 | RECORD NUMBER | 847 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 58 | RECORD NUMBER | 859 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 59 | RECORD NUMBER | 871 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 60 | RECORD NUMBER | 882 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5931, MF= 3, MT= 91 | RECORD NUMBER | 893 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT=102 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 903 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 924 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 939 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT=105 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 3, MT=105 | | |
| | SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER | 952 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT=106 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 3, MT=106 | | |
| | SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER | 965 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 3, MT=107 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 3, MT=107 | | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER | 976 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 2 (0): Directory (b)
- | | | | |
|--|--|---------------|-----|
| | ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 2 | | |
| | SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER | 993 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 16 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 16 | | |
| | SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER | 1168 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 17 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 17 | RECORD NUMBER | 1179 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 22 | RECORD NUMBER | 1190 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 28 | RECORD NUMBER | 1201 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 32 | RECORD NUMBER | 1212 |
| SECTION 4/ 32 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 33 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 33 | RECORD NUMBER | 1223 |
| SECTION 4/ 33 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 51 | RECORD NUMBER | 1234 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 52 | RECORD NUMBER | 1262 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 53 | RECORD NUMBER | 1290 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 54 | RECORD NUMBER | 1318 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 55 | RECORD NUMBER | 1346 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 56 | RECORD NUMBER | 1371 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 57 | RECORD NUMBER | 1398 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 58 | RECORD NUMBER | 1422 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 59 | RECORD NUMBER | 1446 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 60 | RECORD NUMBER | 1470 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5931, MF= 4, MT= 91 | RECORD NUMBER | 1493 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 16 (0): Directory (b)

- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 1518
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1587
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1630
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 1875
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 32 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 32
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2017
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 33 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 33
SECTION 5/ 33 NOT IN DIRECTORY RECORD NUMBER 2085
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5931, MF= 5, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5931, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2158

- **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 143. L = 0 / STRENGTH FUNCTION IS 4.58094E-03 / STRENGTH FUNCTION 4.58094E-03 / LIES OUTSIDE LIMITS 1.00000E-04 TO 6.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ISOTOPE MASS = 143. L = 0
STRENGTH FUNCTION IS 4.58094E-03
STRENGTH FUNCTION 4.58094E-03
... [1 more lines]
```


- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevel BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 2.0 and S = 2.0 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=375.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.40%

4. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.14%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 12: n[multiplicity:'2'] + Pr142 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7487782.2474823 eV vs -7.3511e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 13: n[multiplicity:'3'] + Pr141 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13330931.45127869 eV vs -1.31992e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 14: n + H1 + Ce142 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5959680.543182373 eV vs -5823630. eV!

4. Calculated and tabulated Q values disagree.
reaction label 15: n + H2 + Ce141 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10904806.18133545 eV vs -1.06866e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 16: n + H3 + Ce140 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10075716.69625854 eV vs -9934580. eV!

6. Calculated and tabulated Q values disagree.
reaction label 17: Pr144 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5617773.092376709 eV vs 5756390. eV!

7. Calculated and tabulated Q values disagree.
reaction label 18: n + He4 + La139 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1597266.04119873 eV vs 1744090. eV!

8. Calculated and tabulated Q values disagree.
reaction label 19: H1 + Ce143-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -814842.618637085 eV vs -672533. eV!

9. Calculated and tabulated Q values disagree.
reaction label 20: H2 + Ce142-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3735114.442245483 eV vs -3513510. eV!

10. Calculated and tabulated Q values disagree.
reaction label 21: H3 + Ce141-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4647573.240722656 eV vs -4501460. eV!

11. Calculated and tabulated Q values disagree.
reaction label 22: He3 + La141-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7130865.082763672 eV vs -6912830. eV!

12. Calculated and tabulated Q values disagree.
reaction label 23: He4 + La140-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6758243.963088989 eV vs 6.9092e6 eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPT/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPT/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPT/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 33
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided